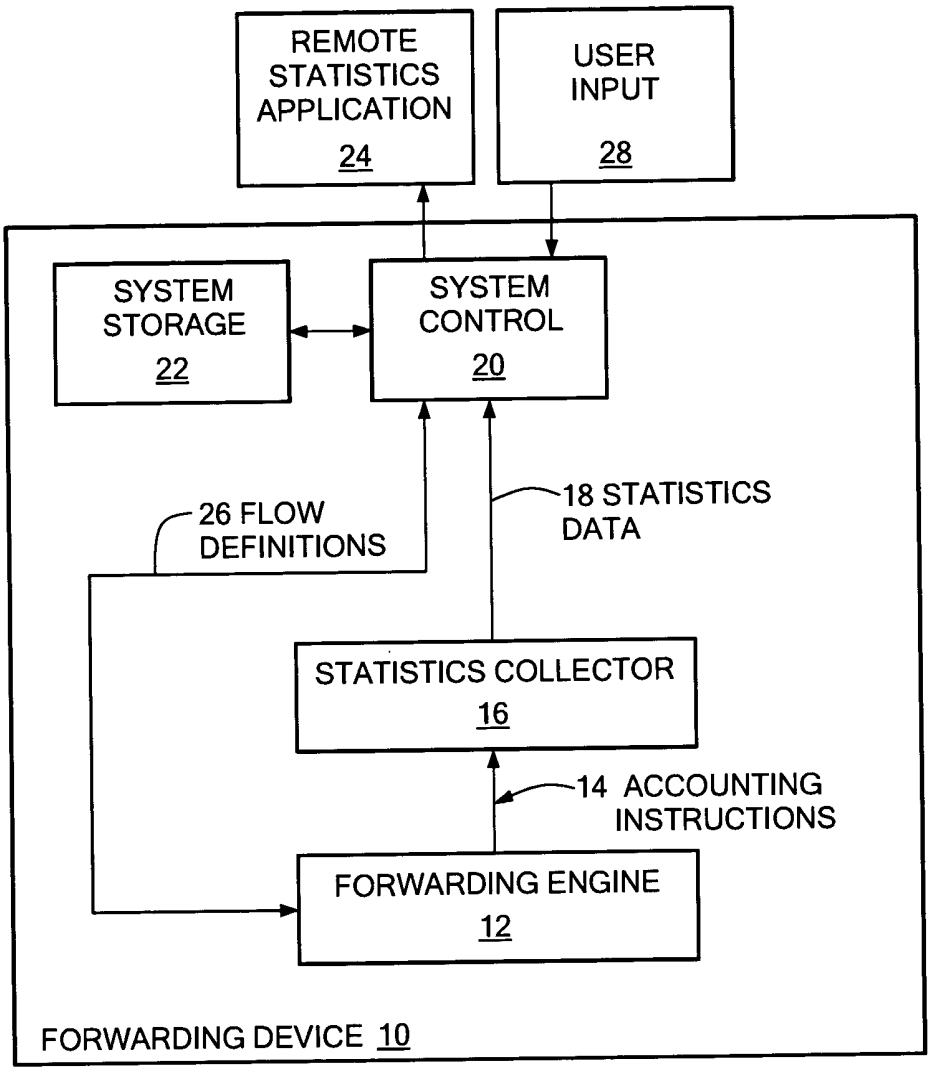

REMOTE STATISTICS APPLICATION 24
USER INPUT 28
SYSTEM STORAGE 22
SYSTEM CONTROL 20
26 FLOW DEFINITIONS
18 STATISTICS DATA
STATISTICS COLLECTOR 16
14 ACCOUNTING INSTRUCTIONS
FORWARDING ENGINE 12
FORWARDING DEVICE 10

FIG. 1

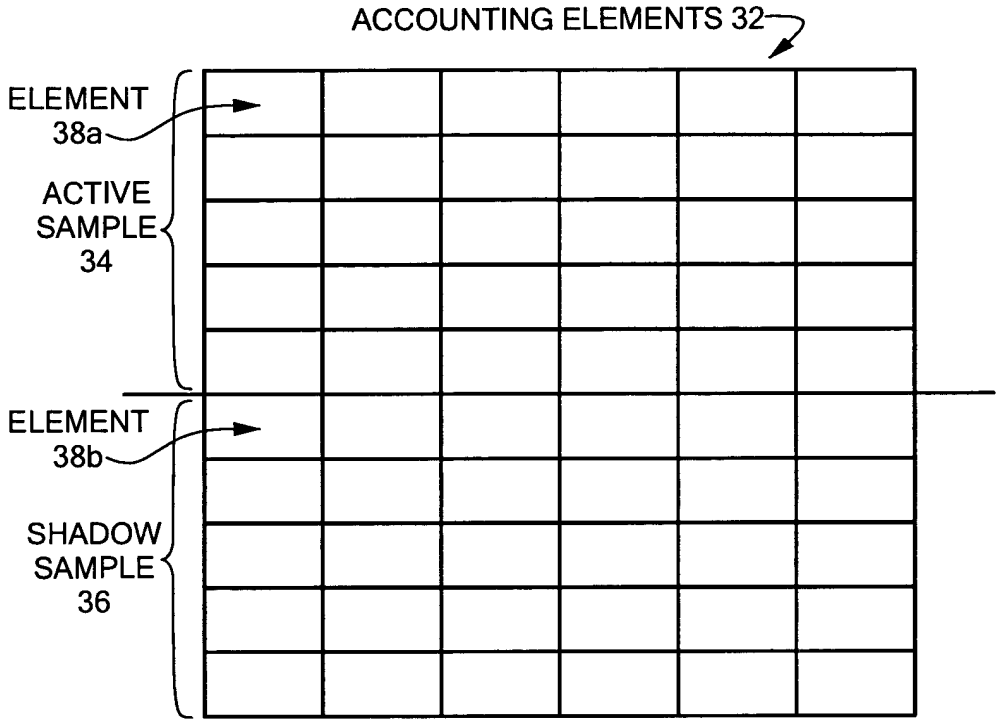
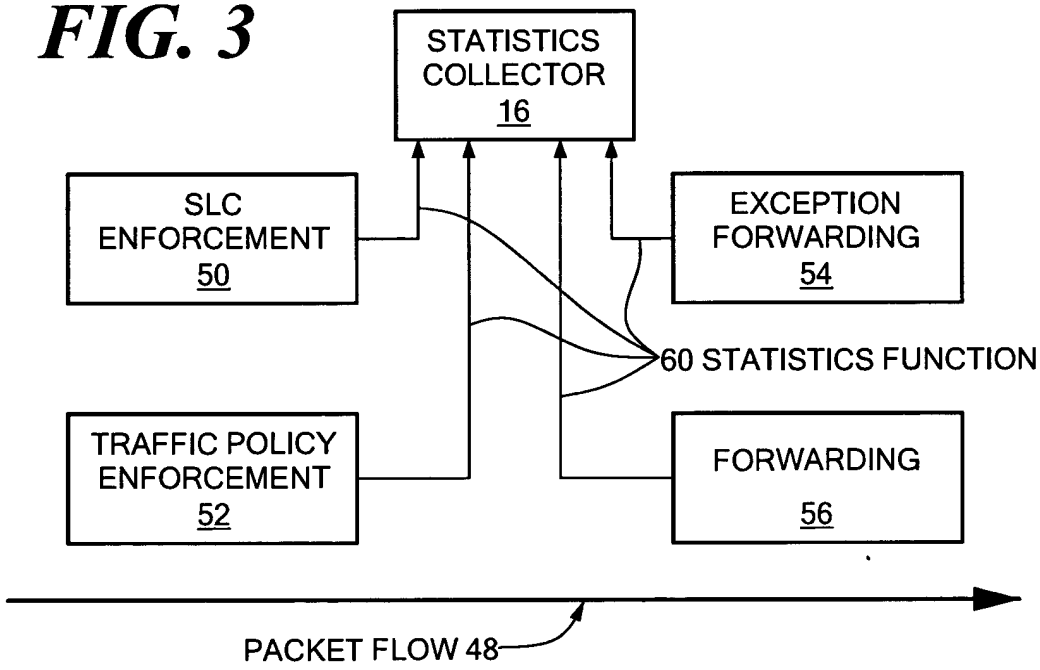

ACCOUNTING ELEMENTS 32
ELEMENT 38a
ACTIVE SAMPLE 34
ELEMENT 38b
SHADOW SAMPLE 36

FIG. 2

FIG. 3


STATISTICS COLLECTOR 16
SLC ENFORCEMENT 50
EXCEPTION FORWARDING 54
60 STATISTICS FUNCTION
TRAFFIC POLICY ENFORCEMENT 52
FORWARDING 56
PACKET FLOW 48

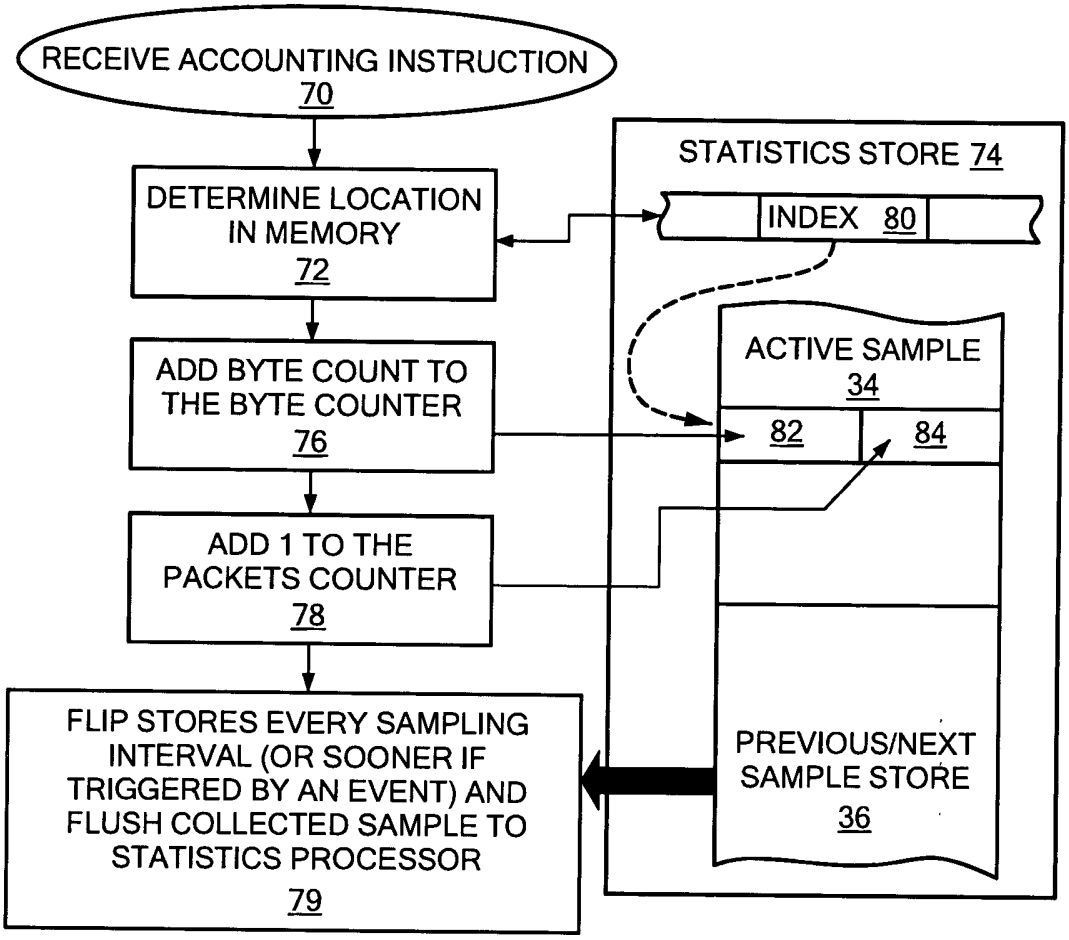

RECEIVE ACCOUNTING INSTRUCTION 70
DETERMINE LOCATION IN MEMORY 72
ADD BYTE COUNT TO THE BYTE COUNTER 76
ADD 1 TO THE PACKETS COUNTER 78
FLIP STORES EVERY SAMPLING INTERVAL (OR SOONER IF TRIGGERED BY AN EVENT) AND FLUSH COLLECTED SAMPLE TO STATISTICS PROCESSOR 79
STATISTICS STORE 74
INDEX 80
ACTIVE SAMPLE 34
82
84
PREVIOUS/NEXT SAMPLE STORE 36

FIG. 4

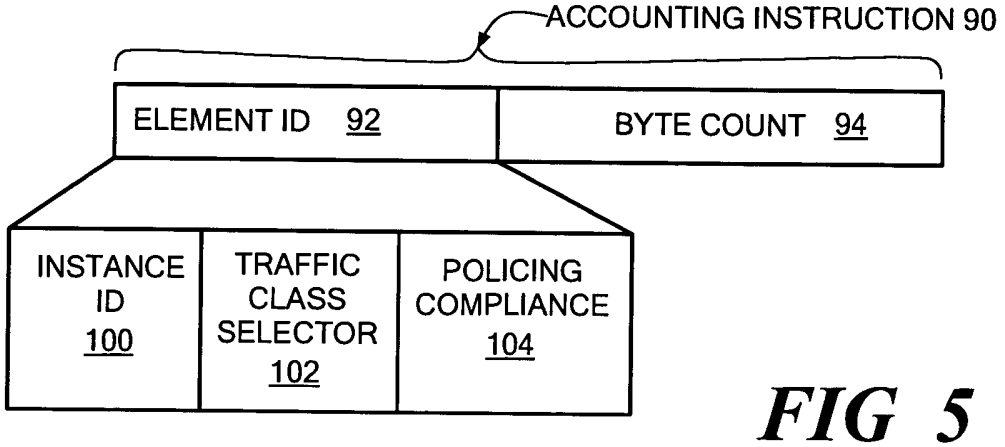

ACCOUNTING INSTRUCTION 90
ELEMENT ID 92
BYTE COUNT 94
INSTANCE ID 100
TRAFFIC CLASS SELECTOR 102
POLICING COMPLIANCE 104

FIG 5

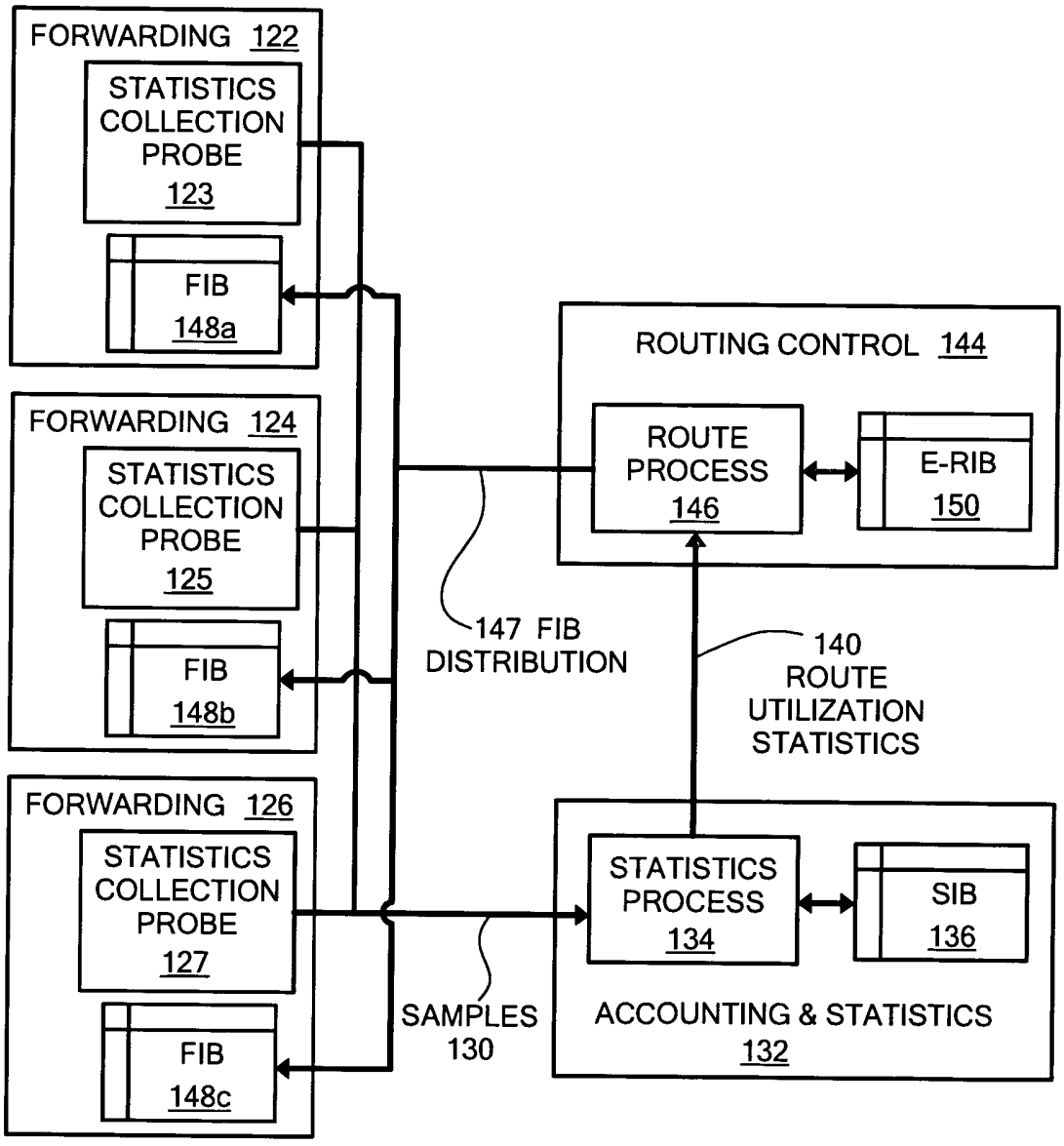

FORWARDING 122
STATISTICS COLLECTION PROBE 123
FIB 148a
FORWARDING 124
STATISTICS COLLECTION PROBE 125
FIB 148b
FORWARDING 126
STATISTICS COLLECTION PROBE 127
FIB 148c
ROUTING CONTROL 144
ROUTE PROCESS 146
E-RIB 150
147 FIB DISTRIBUTION
140 ROUTE UTILIZATION STATISTICS
STATISTICS PROCESS 134
SIB 136
SAMPLES 130
ACCOUNTING & STATISTICS 132

FIG 6